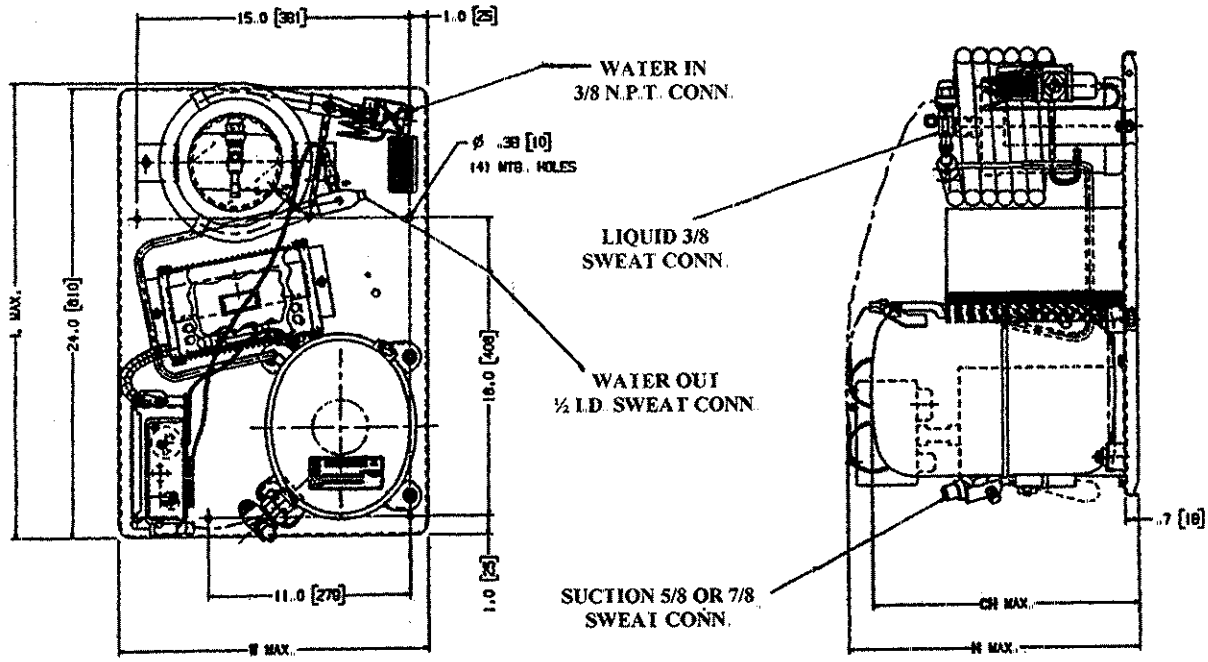
AHA2445AXDXW

TECUMSEH HERMETIC CONDENSING UNITS

March 10, 2000

Revision 2003

MODEL AHA2445AXDXW (B/M 2B1122-49) R-12 1 HP WATER COOLED



NOTE DIMENSIONS = INCHES (MILLIMETERS)

AB

Model	Dimensions				*Line Connection		Pumpdown 90° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AHA2445AXDXW	24.9	17.0	15.7	15.6	5/8 S	3/8 S	5.3#	---	45	129

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare Or Solder Connections

Use 3/8" Min Pipe Size

Factory charge: 20 psig nitrogen - **MUST BE EVACUATED**

Water Valve Inlet 3/8" NPT

Performance: Ambient 90° F-Return Gas 65° F-Condenser Water In 75° F-Head 125 psig

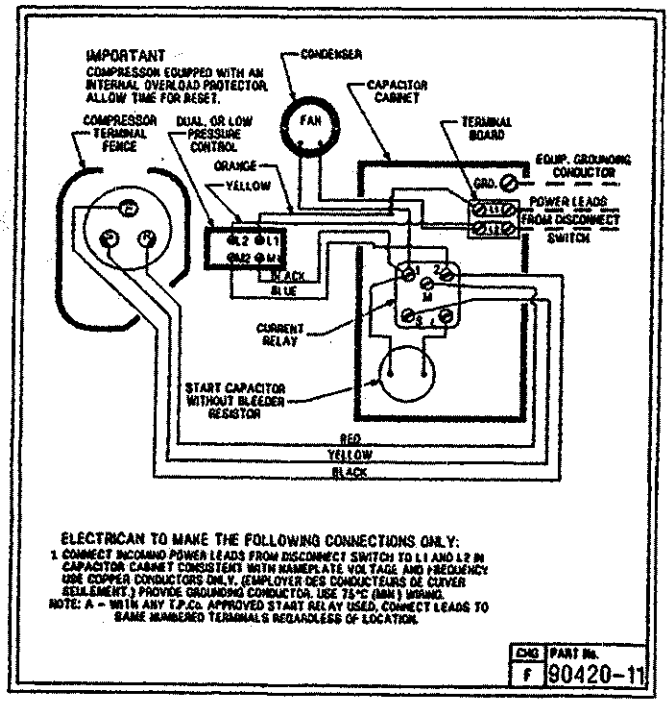
Evaporator Temp, °F	-40	-30	-20	-10	+10
BTU/HR	1020	1870	3300	5100	8990
Water Usage – gpm	.18	.20	.32	.60	1.65
Watts	660	860	1120	1380	1920

The water valve should be adjusted to maintain a maximum of 95° F water outlet temperature in order to minimize water scaling within the condenser.

Date: January 2003
Unit Catalog Update

SPECIFICATIONS	**AHA2445AXDXW**
Nominal Voltage	230/208-1
Unit B/M	2B1122-49
Voltage Range	253 to 187
Min. Circuit Ampacity	10.6
Max. Fuse Size (Amps)	15
Compressor Model	AHA2445AXD
Comp. Bill of Material	AH410EF-504
RLA/LRA	8.2/51.0
ESP Overload	Internal
ESP Relay	P82938
Capacitor Cabinet	AE1197-002
Start Capacitor	85PS250A58
Rating	196-236MFD/250V
Control	84056-2 (Dual)

Fan Motor (OEM)	810M009B47
Fan RLA	.27RLA
Replacement Motor	TFM92
Fan Motor Bracket	57155
Fan Blade	51559-2
Guard/Grill	71085 & 70830-1 (Grill)
Condenser	50812-1
Receiver Tank	51081
Receiver Tank Valve	31555-1 (3/8"S) RL
Suction Rotolock	31531-1 (5/8"S) RL
O' Ring Gasket	30334
Base/Shut Off Valve	56516 (3/8"TD)WRV
Unit Drawing	SU1894-175
Schematic or Elect. Drawing	90420-11


IMPORTANT
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR, ALLOW TIME FOR RESET.
CONDENSER
CAPACITOR CABINET
FAN
COMPRESSOR TERMINAL FENCE
DUAL OR LOW PRESSURE CONTROL
TERMINAL BOARD
EQUIP. GROUNDING CONDUCTOR
GRD.
ORANGE
YELLOW
POWER LEADS FROM DISCONNECT SWITCH
BLACK
BLUE
CURRENT RELAY
START CAPACITOR WITHOUT BLEEDER RESISTOR
RED
YELLOW
BLACK
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 AND L2 IN CAPACITOR CABINET CONSISTENT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
NOTE: A – WITH ANY T.P.Co. APPROVED START RELAY USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
CHG
PART No.
F
90420-11

Some parts listed may be optional or listed as replacement parts.